		101,0	10021		
A. CLASSI IPC 7	H01Q13/16 H01Q1/38	3			
According to International Patent Classification (IPC) or to both national classification and IPC					
	SEARCHED				
Minimum do	ocumentation searched (classification system followed by classificati	on symbols)			
IPC 7 HO1Q					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic d	ata base consulted during the international search (name of data ba	se and, where practical, search terms used	)		
EPO-Internal, WPI Data, PAJ					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.		
X	SARABANDI K ET AL: "Design of an efficient miniaturized UHF planar antenna" IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM. 2001 DIGEST. APS.		1,2,4-6, 8,9, 21-23,25		
	BOSTON, MA, JULY 8 - 13, 2001, NEW YORK, NY: IEEE, US, vol. 1 OF 4, 8 July 2001 (2001-07-08), pages 446-449, XP010564673 ISBN: 0-7803-7070-8				
Y	the whole document		3,7, 10-20,24		
			10-20,24		
	· -	-/			
			!		
Y Further documents are listed in the continuation of box C. Patent family members are listed in annex.					
° Special categories of cited documents:  "T" later document published after the international filing date					
*A* document defining the general state of the art which is not considered to be of particular relevance  *A* document defining the general state of the art which is not considered to be of particular relevance  *A* document defining the general state of the art which is not chief to understand the principle or theory underlying the invention					
*E* earlier document but published on or after the international   "X" document of particular relevance: the claimed invention					
"L" document which may throw doubts on priority claim(s) or which is clied to establish the publication date of another clied to establish the publication date					
O' document referring to an oral disclosure, use, exhibition or cannot be considered to involve an inventive step when the document is combined with one or more other such docu-					
other means  *P* document published prior to the international filing date but later than the priority date claimed  *R* document member of the same patent family  *A* document member of the same patent family					
Date of the actual completion of the international search  Date of mailing of the international search report					
3 January 2003		17/01/2003			
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2		Authorized officer			
NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni,		Ribbe, J			
	Fax: (+31-70) 340-3016	11,220, 0			

## Best Available Copy

## INTERNATIONAL SEARCH REPORT

PCT/US 02/13821

		PC1/US 12/13821
	ation) DOCUMENTS CONSIDERED RELEVANT	Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Helevant to claim No.
Y	AZADEGAN R ET AL: "DESIGN OF MINIATURIZED SLOT ANTENNAS" IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM. 2001 DIGEST. APS. BOSTON, MA, JULY 8 - 13, 2001, NEW YORK, NY: IEEE, US, vol. 4 OF 4, 8 July 2001 (2001-07-08), pages 565-568, XP001072153 ISBN: 0-7803-7070-8 the whole document	3,7, 10-20,24
<b>A</b>	PEROULIS D ET AL: "A PLANAR VHF RECONFIGURABLE SLOT ANTENNA" IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM. 2001 DIGEST. APS. BOSTON, MA, JULY 8 - 13, 2001, NEW YORK, NY: IEEE, US, vol. 1 OF 4, 8 July 2001 (2001-07-08), pages 154-157, XP001072179 ISBN: 0-7803-7070-8 the whole document	